

BEFORE THE
Federal Communications Commission

WASHINGTON, D.C.

ORIGINAL

**ORIGINAL
FILE**

JUL 16 1992

In re Matter of)
Amendment of Section 73.202(b))
FM Table of Allotments)
(Tomah, Wisconsin)

RM-_____

RECEIVED

JUL 16 1992

To: Chief, Allocations Branch

Federal Communications Commission
Office of the Secretary

PETITION FOR RULEMAKING

Magnum Radio, Inc., permittee of operating station WBOG(FM), Tomah, Wisconsin, hereby petitions the Commission for initiation of a rulemaking proceeding for a change in FM Table of Allotments at Tomah, Wisconsin, and the modification of the construction permit, for WBOG as well as any subsequently issued license for the station, as follows:

<u>City</u>	<u>Present</u>	<u>Proposed</u>
Tomah, Wisconsin	233A, 241, 255C	233A, 241C2, 255C

As set forth in the attached engineering statement, this change in the FM Table of Allotments can be made in full compliance with all Commission Rules, provided that a site restriction is placed on the allocation. Magnum hereby commits to promptly file an application for a construction permit specifying the facilities it will use upon the adoption of this

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new allocation, and to diligently construct the station once that permit is granted.

As this proposal provides for a more efficient use of the spectrum, and allows for a new wide area service in Tomah, it is in the public interest. Therefore, this proposal should be adopted.

Respectfully submitted,

MAGNUM RADIO, INC.

By 

David D. Oxenford

Its Attorneys

Fisher, Wayland, Cooper
and Leader
1255 23rd Street, N.W.
Suite 800
Washington, D.C. 20037
(202) 659-3494

Dated: July 16, 1992

APPENDIX 1

BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

ENGINEERING STATEMENT

IN THE MATTER OF:)
AMENDMENT OF SECTION 73.202(B),) RM-
TABLE OF ALLOTMENTS,)
FM BROADCAST STATIONS,)
(TOMAH, WISCONSIN))

TO: THE COMMISSION

PREPARED FOR:
MAGNUM RADIO, INC.

JULY 15'TH, 1992

PREPARED BY:
LYLE ROBERT EVANS
BROADCAST CONSULTANT
1391 NORTH ROAD
GREEN BAY, WISCONSIN 54313
(414) 494-6061

PETITIONER: Magnum Radio, Inc., WBOG-FM
Proposed Channel 241C2
Tomah, Wisconsin

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Prepared 07/15/92

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4. ATTACHMENT E-B; CHANNEL 241C2 DISTANCE SPACING STUDY

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STATE OF WISCONSIN)

COUNTY OF BROWN)

CITY OF GREEN BAY)

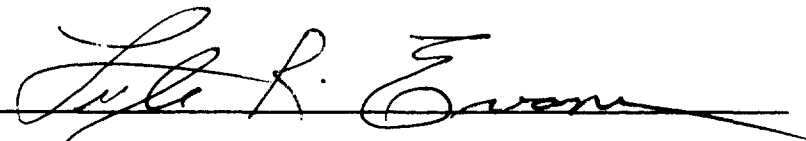
LYLE ROBERT EVANS, BEING FIRST DULY SWORN STATES:

THAT HE IS A ELECTRONIC COMMUNICATIONS CONSULTANT WITH
OFFICES AT 1391 NORTH ROAD, GREEN BAY, WISCONSIN, 54313.

THAT HIS QUALIFICATIONS ARE A MATTER OF RECORD BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION IN WASHINGTON, D.C.

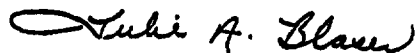
THAT HE HAS PREPARED NUMEROUS AM, FM, MICROWAVE RADIO,
TELEVISION AND TRANSLATOR APPLICATIONS WHICH HAVE BEEN
PROCESSED TO GRANT BY THE FEDERAL COMMUNICATIONS COMMISSION.

THAT ALL CALCULATIONS AND/OR MEASUREMENTS AND EXHIBITS
IN THE ACCOMPANYING REPORT WERE MADE BY HIM PERSONALLY OR
UNDER HIS DIRECTION, AND THAT ALL FACTS CONTAINED HEREIN
ARE TRUE OF HIS PERSONAL KNOWLEDGE OR BELIEF, AND ON SUCH
STATEMENTS MADE ON BELIEF, THEY ARE BELIEVED TO BE TRUE.



AFFIANT

SUBSCRIBED AND SWORN TO BEFORE ME THIS 15TH DAY OF JULY,
1992.



NOTARY PUBLIC

DATE OF COMMISSION EXPIRATION: _____

JULIE A. BLASER, Notary Public
My Commission Expires May 30, 1993

BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

IN THE MATTER OF:)
AMENDMENT OF SECTION 73.202(B),) RM-
TABLE OF ALLOTMENTS,)
FM BROADCAST STATIONS,)
(TOMAH, WISCONSIN))
TO: THE COMMISSION

ENGINEERING STATEMENT

This Engineering Statement concerns the above captioned Petition For Rule Making, to which this Statement is Appendix 1.

Magnum Radio, Inc., the Petitioner, Permittee of Station WBOG-FM, Tomah, Wisconsin, retained the services of Lyle Robert Evans, Broadcast Consultant, to conduct engineering studies and prepare necessary Statements and Attachments to support the Petition of Magnum Radio, Inc., to amend Section 73.202(b) of the Commission's Rules and Regulations, to allot FM Channel 241C2 at Tomah, Wisconsin, and modify the Construction Permit, and subsequent pending License of Station WBOG-FM, Tomah, to specify operation as a Class C2 station. (Station WBOG-FM pending license application FCC File Number: BLH-920325KB.)

The transmitting antenna geographic coordinates

specified on the Station WBOG-FM Construction Permit, FCC File Number: BPH-861203MD, as modified: BMPH-900726IA are; 43°-53'-56" North Latitude, 90°-29'-23" West Longitude.

Attachment E-A to this Statement is a FM Channel 241C2 Distance Separation Study with these specified coordinates as base.

A review of Attachment E-A displays an allotment of FM Channel 241C2 at the Station WBOG-FM permitted antenna/tower site geographic coordinates "Short-Spaced" to minus 200 kilohertz adjacent Channel 240A pending applications, FCC File Number: BPH-910206MG and BPH-910206MA at Portage, Wisconsin; to co-Channel 241A assignment at Ripon, Wisconsin, occupied by Station WYUR-FM, FCC File Number: BPH-890109KB; and to plus 200 kilohertz adjacent Channel 242B1 assignment at Sauk City, Wisconsin, occupied by Station WMLI(FM), FCC File Number: BLH-900911KC.

Such "Short-Spacings" in contravention with Minimum Distance Separation Requirements for FM Allotments, set forth in 47 Code of Federal Regulations, Section 73.207.

To allot FM Channel 241C2 to Tomah, Wisconsin, and comply with Commission minimum distance separation requirements for FM allotments, it is necessary to restrict the antenna/tower site of a Class C2 operation by Station WBOG-FM to a location Northwest of Tomah, Wisconsin.

A restricted transmitting antenna/tower location

for a Class C2 operation by Station WBOG-FM has been selected, consistent with Commission minimum distance separation requirements between FM radio broadcast stations, set forth in 47 Code of Federal Regulations, Section 73.207.

This illustrative transmitting antenna site location is 25.99 kilometers (15.90 miles) distant, at a bearing of 281.8 degrees True, from the Tomah, Wisconsin, reference coordinates, set forth in the National Atlas as: 43°-59'-00" North Latitude, 90°-30'-18" West Longitude.

Attachment E-B to this Statement, a FM Channel 241C2 Distance Separation Study with illustrative, restricted transmitting antenna coordinates; 44°-01'-50" North Latitude, 90°-49'-03" West Longitude, as base, evidences the proposed illustrative site in complete compliance with all Commission minimum distance separation requirements for FM radio broadcast stations.

The geographic coordinates of the most distant point on the City of Tomah, Wisconsin, Corporate Boundary (City-Limits) from this illustrative site have been determined to be; 43°-58'-43" North Latitude, 90°-27'-40" West Longitude.

This distance from the specified illustrative antenna/tower site location to this "Tomah" most distant point has been calculated to be 29.14 kilometers (18.11 miles) at a bearing of 101.4 degrees True.

A typical "maximum-facility" Class C2 operation (50.00 kilowatt radiated from an antenna radiation center 150.0 meters above average terrain), assuming uniform terrain provides the 70.0 dBu (3.16 mV/m) Principal Community service contour to a distance of 32.5 kilometers (20.20 miles).

A maximum facility Class C2 operation by Station WBOG-FM at the referenced illustrative site shall provide the requisite 70 dBu (3.16 mV/m) "Principal Community" signal to all Tomah.

The allotment of Channel 241C2 at Tomah, Wisconsin, as Petitioned shall provide Tomah and vicinity a second wide coverage area FM radio broadcast station.

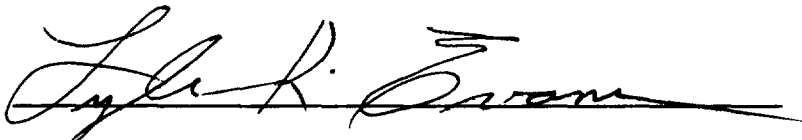
No other modifications of the FM Table Allotments 47 Code of Federal Regulations, Section 73.202(b) are required to effect the Petitioned Tomah, Channel 241C2 Allotment.

The most recent applicable FCC Rules and Regulations have been used in preparation of this Engineering Statement and associated attachments.

It is believed to conform to the Commission's FM Technical Standards.

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Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Lyle R. Evans", written over a horizontal line.

Lyle Robert Evans
Technical Consultant to:
Magnum Radio, Inc.
Station WBOG-FM

July 15'th, 1992

ENGINEERING STATEMENT CONCLUDED

ATTACHMENT E-A

Page 1 of 2

CHANNEL STUDY

LOCATION: TOMAH, WISCONSIN
 SERVICE: COMMERCIAL FM
 CHANNEL: 241
 CLASS: C2
 FREQUENCY: 96.1 MHZ.
 ZONE: II
 COORDINATES: 43°-53'-56" N.L., 90°-29'-23" W.L. (WBOG-FM ANTENNA COORDINATES)
 PETITIONER: MAGNUM RADIO, INC.
 CALL SIGN: WBOG-FM
 DATE: JULY 14, 1992

CALL STATUS	CITY STATE	FCC FILE	CHAN. FREQ.	ERP(KW) EAH(MT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (KM.)	REQ. (KM.)
WIFC LIC	WAUSAU WI	BLH-7329	238C 95.5	100.00 329.18	44-55-14 89-41-31	29.2	130.06 25.06	105.0 CLEAR
WSPL LIC	LA CROSSE WI	BLH-890213KF	239C2 95.7	50.00 149.96	43-37-58 91-17-06	245.2	70.49 12.49	58.0 CLEAR
WRDN-FM LIC	DURAND WI	BLH-6411	240A 95.9	0.93 152.40	44-35-07 91-54-44	303.9	136.78 30.78	106.0 CLEAR
NEW APP	PORTAGE WI	BPH-910206MG	240A 95.9	6.00 100.00	43-38-16 89-34-30	111.5	79.11 -26.89	106.0 SHORT
NEW APP	PORTAGE WI	BPH-910206MA	240A 95.9	6.00 100.00	43-38-25 89-35-50	111.8	77.34 -28.66	106.0 SHORT
WBOG-FM CP	TOMAH WI	BMPH-900726IA	241A 96.1	1.83 174.00	43-53-56 90-29-23	N/A	0.0 -166.0	166.0 SHORT
WYUR-FM LIC	RIPON WI	BPH-890109KB	241A 96.1	2.00 123.14	43-49-10 88-43-20	93.6	142.28 -23.72	166.0 SHORT
WMLI LIC	SAUK CITY WI	BLH-900911KC	242B1 96.3	5.10 205.13	43-12-37 89-35-57	136.8	104.99 -30.99	134.0 SHORT
WJMC-FM LIC	RICE LAKE WI	BLH-4018	242C1 96.3	100.00 164.59	45-30-27 91-46-28	303.3	205.65 47.65	158.0 CLEAR
KWWK CP	ROCHESTER MN	BPH-900727IB	244C2 96.5	43.00 161.06	44-01-27 92-21-32	275.0	170.11 112.11	58.0 CLEAR

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ATTACHMENT E-A

Page 2 of 2

CHANNEL STUDY

LOCATION: TOMAH, WISCONSIN
SERVICE: COMMERCIAL FM
CHANNEL: 241
CLASS: C2
FREQUENCY: 96.1 MHZ.
ZONE: II
COORDINATES: 43°-53'-56" N.L., 90°-29'-23" W.L. (WBOG-FM ANTENNA COORDINATES)
PETITIONER: MAGNUM RADIO, INC.
CALL SIGN: WBOG-FM
DATE: JULY 14, 1992

CALL STATUS	CITY STATE	FCC FILE	CHAN. FREQ.	ERP(KW) EAH(MT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (KM.)	REQ. (KM.)
WYTE ALLOT	WHITING WI	DOC. 89-282	244C2 96.7		44-38-41 89-51-11	31.5	97.19 39.19	58.0 CLEAR
WYTE CP	WHITING WI	BPH-910705ID	244C2 96.7	50.00 150.00	44-38-36 89-51-24	31.4	96.90 38.90	58.0 CLEAR
WFDU CP	LOMIRA WI	BPH-870617MI	294A 106.7	1.26 154.53	43-35-17 88-35-03	102.7	157.23 142.23	15.0 CLEAR
KROC-FM LIC	ROCHESTER MN	BLH-7076	295C 106.9	100.00 338.33	43-34-15 92-25-37	256.9	160.16 125.16	35.0 CLEAR

-----END CHANNEL 241C2 STUDY-----

ATTACHMENT E-A; CONCLUDED

ATTACHMENT E-B

Page 1 of 2

CHANNEL STUDY

LOCATION: TOMAH, WISCONSIN
 SERVICE: COMMERCIAL FM
 CHANNEL: 241
 CLASS: C2
 FREQUENCY: 96.1 MHZ.
 ZONE: II
 COORDINATES: 44°-01'-50" N.L., 90°-49'-03" W.L. (ILLUSTRATIVE SITE COORDINATES)
 PETITIONER: MAGNUM RADIO, INC.
 CALL SIGN: WBOG-FM
 DATE: JULY 14, 1992

CALL STATUS	CITY STATE	FCC FILE	CHAN. FREQ.	ERP(KW) EAH(MT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (KM.)	REQ. (KM.)
WIFC LIC	WAUSAU WI	BLH-7329	238C 95.5	100.00 329.18	44-55-14 89-41-31	42.1	133.36 28.36	105.0 CLEAR
WSPL LIC	LA CROSSE WI	BLH-890213KF	239C2 95.7	50.00 149.96	43-37-58 91-17-06	220.4	58.00 00.00	58.0 CLEAR
WRDN-FM LIC	DURAND WI	BLH-6411	240A 95.9	0.93 152.40	44-35-07 91-54-44	305.0	106.85 0.85	106.0 CLEAR
NEW APP	PORTAGE WI	BPH-910206MG	240A 95.9	6.00 100.00	43-38-16 89-34-30	113.6	106.85 0.85	106.0 CLEAR
NEW APP	PORTAGE WI	BPH-910206MA	240A 95.9	6.00 100.00	43-38-25 89-35-50	113.8	107.23 1.23	106.0 CLEAR
WBOG-FM CP	TOMAH WI	BMPH-900726IA	241A 96.1	1.83 174.00	43-53-56 90-29-23	119.1	30.00 -136.00	166.0 SHORT*
WYUR-FM LIC	RIPON WI	BPH-890109KB	241A 96.1	2.00 123.14	43-49-10 88-43-20	97.6	169.78 3.78	166.0 CLEAR
WMLI LIC	SAUK CITY WI	BLH-900911KC	242B1 96.3	5.10 205.13	43-12-37 89-35-57	132.8	134.01 0.01	134.0 CLEAR
WJMC-FM LIC	RICE LAKE WI	BLH-4018	242C1 96.3	100.00 164.59	45-30-27 91-46-28	335.2	180.71 22.71	158.0 CLEAR
KWWK CP	ROCHESTER MN	BMPH-900727IB	243C2 96.5	43.00 161.06	44-01-59 92-36-10	269.7	143.02 85.02	58.0 CLEAR

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ATTACHMENT E-B

Page 2 of 2

CHANNEL STUDY

LOCATION: TOMAH, WISCONSIN
SERVICE: COMMERCIAL FM
CHANNEL: 241
CLASS: C2
FREQUENCY: 96.1 MHZ.
ZONE: II
COORDINATES: 44°-01'-50" N.L., 90°-49'-03" W.L. (ILLUSTRATIVE SITE COORDINATES)
PETITIONER: MAGNUM RADIO, INC.
CALL SIGN: WBOG-FM
DATE: JULY 14, 1992

CALL STATUS	CITY STATE	FCC FILE	CHAN. FREQ.	ERP(KW) EAH(MT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (KM.)	REQ. (KM.)
WYTE ALLOT	WHITING WI	DOC. 89-282	244C2 96.7		44-38-41 89-51-11	48.4	102.77 44.77	58.0 CLEAR
WYTE CP	WHITING WI	BPH-910705ID	244C2 96.7	50.00 150.00	44-38-36 89-51-24	48.4	102.46 44.46	58.0 CLEAR
WFDU CP	LOMIRA WI	BPH-870617MI	294A 106.7	1.26 154.53	43-35-17 88-35-03	105.3	186.18 171.18	15.0 CLEAR
KROC-FM LIC	ROCHESTER MN	BLH-7076	295C 106.9	100.00 338.33	43-34-15 92-25-37	248.5	139.14 104.14	35.0 CLEAR

-----END CHANNEL 241C2 STUDY-----

NOTE: The assignment whose indicated distance separation status is followed by an asterisk (*) is the allotment the Petitioner proposes to reclassify from Class A to Class C2.

This Channel 241A assignment is occupied by operating Station WBOG-FM, owned by Magnum Radio, Inc., the Petitioner.

ATTACHMENT E-B; CONCLUDED

CERTIFICATE OF SERVICE

I, Valerie A. Mack, a secretary in the law firm of Fisher, Wayland, Cooper and Leader, do hereby certify that true copies of the foregoing "PETITION FOR RULEMAKING" were sent this 16th day of July 1992, by first-class United States mail, postage prepaid, to the following:

*Michael C. Ruger
Mass Media Bureau
Federal Communications Commission
2025 M Street, N.W., 8318
Stop Code 1800D5
Washington, D.C. 20554

Valerie A. Mack
Valerie A. Mack

*Hand Delivered